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S. L. ISAACSON

2,445,220

URINARY PAD

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Fig. 1.

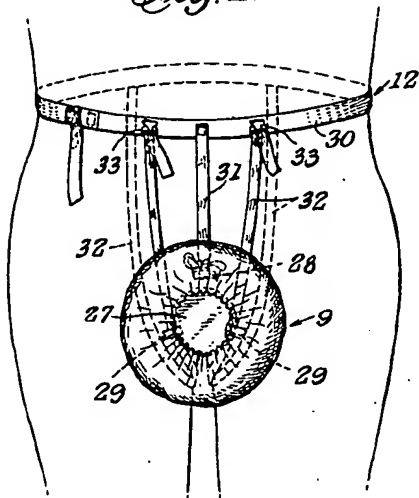


Fig. 2.

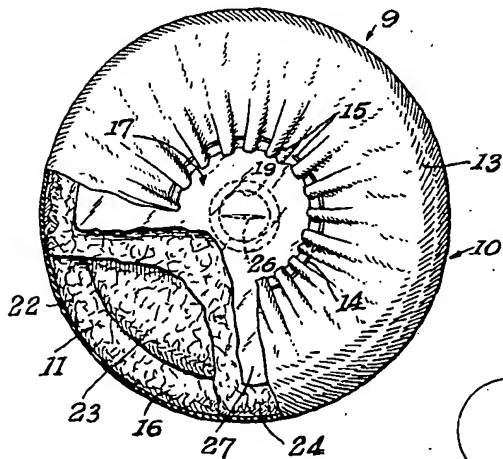


Fig. 3.

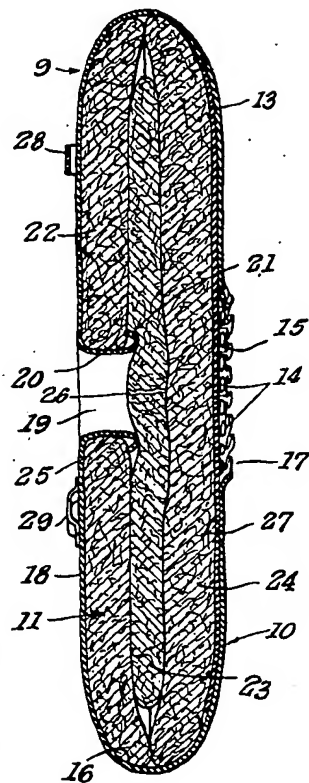
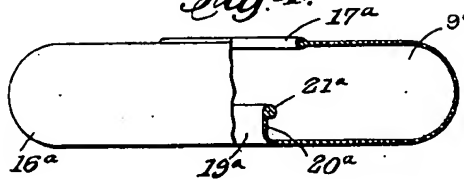


Fig. 4.



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## UNITED STATES PATENT OFFICE

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## URINARY PAD

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5 Claims (Cl. 128-295)

1 This invention relates to urinary pads, and has for its primary object to provide a simple, effective, safe and comfortable pad for the indicated purpose.

Whereas devices have been designed for absorbing urine discharge during the sleeping hours of persons addicted to bed wetting, little progress has been achieved in providing urine absorbing means which can be used by persons physiologically unable to retain their urine during their waking hours.

Another object of this invention, therefore, is to provide an absorbent pad which can be comfortably worn by persons addicted to involuntary urinary discharge in a manner whereby freedom of movement is possible.

Another object of the invention is to provide an absorbent pad of the character referred to which can be comfortably worn under the outer clothing of the wearer with comfort and effectiveness.

More specifically, the invention contemplates the provision of an absorbent pad of the nature indicated, particularly for the use of males.

The foregoing and other objects, features and advantages of the invention will be more clearly realized as the following description of the invention progresses. Said description is based on the accompanying drawing, which illustrates only two forms in which the invention may be realized, it being evident that various modifications may be constructed.

In the drawing:

Fig. 1 is a front view of an absorbent pad embodying the invention, and showing improved means for supporting said pad on the person of a wearer.

Fig. 2 is an enlarged rear view of the pad, partly broken away.

Fig. 3 is a further enlarged cross-sectional view of the pad.

Fig. 4 is a partial elevational, partial sectional view of an alternate form of impervious cover used in the invention.

The pad 9, which is illustrated, comprises, generally, an impervious outer cover 10 and inner absorbent means 11. As shown the pad 9 is secured in position on the person of a wearer by means of a suspensory 12.

The cover 10, in the drawing, is shown in two forms. In Figure 2, said cover comprises a liquid impervious sheet 13 provided with a draw or puckering string 14, laced through openings 15 adjacent the outer periphery of said sheet 13. The draw string may be elastic or may comprise

2 a lace which can be tightened to pucker or gather the peripheral edge of the sheet to form a sack or pouch 16 having a greatly reduced central opening 17. The rear wall 18 of the cover is provided with a central opening 19 which is formed by a tube 20 projecting inwardly of the pouch; said tube 20 may be integrally formed as shown, or may be otherwise permanently secured to the pouch.

As shown in Fig. 4, the pouch 16a may be molded of pliable liquid impervious material such as rubber. The pouch is formed or shaped as a pouch having an access opening 17a and an opening 19a similar to the opening 19, the latter being formed by an integral tube 20a having a head 21a around the free end of said tube.

The means 11 is shown as comprising a plurality of absorbent pads, in this case, three. Said pads are shown at 22, 23 and 24. The pads 22 and 24 are of generally the same size, although the latter may be somewhat thicker. The pad 22 is provided with a central opening 25 so that the tube 20 may project therethrough as shown to center said pad in the pouch so that the shape of said pouch is generally stabilized. By folding back the free end 21 of the tube 20 so that it clamps the pad 22 as shown, effective assembly of the pad elements is achieved. The pad 23 is somewhat smaller in size than the pads 22 and 24 and is provided with a slit 26 at the center thereof and aligned with the opening 19.

A closure sheet 27 of material similar to that of the sheet 13 may be placed over the pad 24 to provide a complete liquid impervious container for the pads in the pouch; if desired, one end of said sheet 27 may be affixed to said pouch to retain association therewith.

The absorbent pad above set forth is applied by introducing the penis into the opening 19 or 19a and through the slit 26. The absorbent pad can then be placed snugly against the body of the user with assurance that drip or dribble of urine will be absorbed by the pads 22, 23 and 24. In use, the pads 22, 23 and 24 are replaced as used. From the construction, it can be seen that the pouch 16 or 16a can be inverted to provide for aerating the surfaces thereof and, therefore, give longer life thereto.

The suspensory 12 is used to hold the absorbent pad 9 or 9a in position. To this end, the pouch is provided with loops 28 and 29 on the puckered side of the pouch. The suspensory is shown as comprising an adjustable belt 30, from which depends a front tape 31 and rear tapes 32. As shown, the front tape 31 is tied to the loop 28.

3

The rear tapes 32 are passed between the thighs of the wearer, through the respective loops 29 and connected as to buckles 33 on the front of the belt 30. By means of the simple arrangement shown, the absorbent pad may be easily donned or removed, comfortably worn, and affords freedom of motion to the user.

The above described embodiments of the invention are intended as merely by way of example, it being apparent that variations within the spirit and scope of the invention may be made. No restrictions as to the scope of the appended claims is intended in the particular wording of the above description.

I claim:

1. A liquid absorbing device comprising a pouch having an opening defined by a tube projecting into the pouch, and a plurality of absorbent pads arranged in the pouch, one of said pads having an opening through which said tube projects, and another of said pads having a slit aligned with the opening in the pouch.

2. A liquid absorbing device comprising a flattened, water-impervious pouch having an opening defined by a tube projecting into the pouch, and a plurality of absorbent pads arranged in the pouch, one of said pads having an opening through which said tube projects, and another of said pads having a slit aligned with the opening in the pouch.

3. A liquid absorbing device comprising a pouch formed of a sheet gathered at its peripheral edges by a draw-string, an inreaching tube on one wall of the pouch and defining an opening, and a plurality of absorbent pads arranged in the

4

pouch in front to back layers, one of the pads being strung on said tube, and another being formed with a slit in endwise alignment with said opening.

4. A liquid absorbing device comprising a pouch formed of a sheet gathered at its peripheral edges by a draw-string, a closure sheet for the open gathered portion of the pouch sheet, an inreaching tube on one wall of the pouch and defining an opening, and a plurality of absorbent pads arranged in the pouch in front to back layers, one of the pads being strung on said tube.

5. A liquid absorbing device comprising a pouch formed of a sheet gathered at its peripheral edges by a draw-string, a closure sheet for the open gathered portion of the pouch sheet, an inreaching tube on one wall of the pouch and defining an opening, and a plurality of absorbent pads arranged in the pouch in front to back layers, one of the pads being strung on said tube, and another being formed with a slit in endwise alignment with said opening.

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